

CTDAT1623F Series

From 10 μ H to 20 μ H

SPECIFICATIONS

*Isat: Value of inductance decrease within 20%
 **Irms(A): A rise in temperature of core surface is within 40°C

Part Number	Inductance $\pm 20\%$ (μ H)	Test Freq. (kHz)	DCR Nom.(Max.) (m Ω)	*Isat(A) Drop $\leq 20\%$	**Irms(A) Rise $\leq 40^\circ\text{C}$
CTDAT1623F-100M	10.00	100.0	10.00(12.00)	15.00	6.40
CTDAT1623F-160M	16.00	100.0	14.00(22.60)	11.00	5.20
CTDAT1623F-200M	20.00	100.0	23.20(31.00)	10.00	3.80



CHARACTERISTICS

Description: Inductors for Class D

Features:

- Magnetic shielded structure, excellent resistance to electromagnetic interference.
- Sturdy construction.
- Low magnetic loss, low ESR, small parasitic capacitance.
- Closed magnetic circuit, super low buzzing, high density mount.
- The temperature rise of current and rated current less influenced by the environment.

Applications: TV and monitor, AV amplifier, video game console, power supply, navigation equipment, audio applications, etc.

Operating Temperature: -40°C to +125°C

Inductance Tolerance: $\pm 20\%$

Testing: Inductance at 100kHz, 1.0V

Packaging: Tray packaging

Marking: Parts are marked with inductance code.

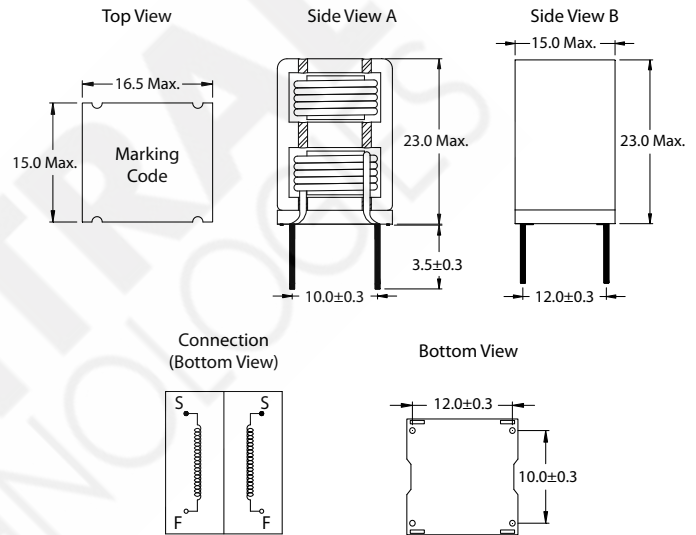
Miscellaneous: **RoHS Compliant.**

Additional Information: Additional electrical & physical information available upon request.

Samples available. See website for ordering information.

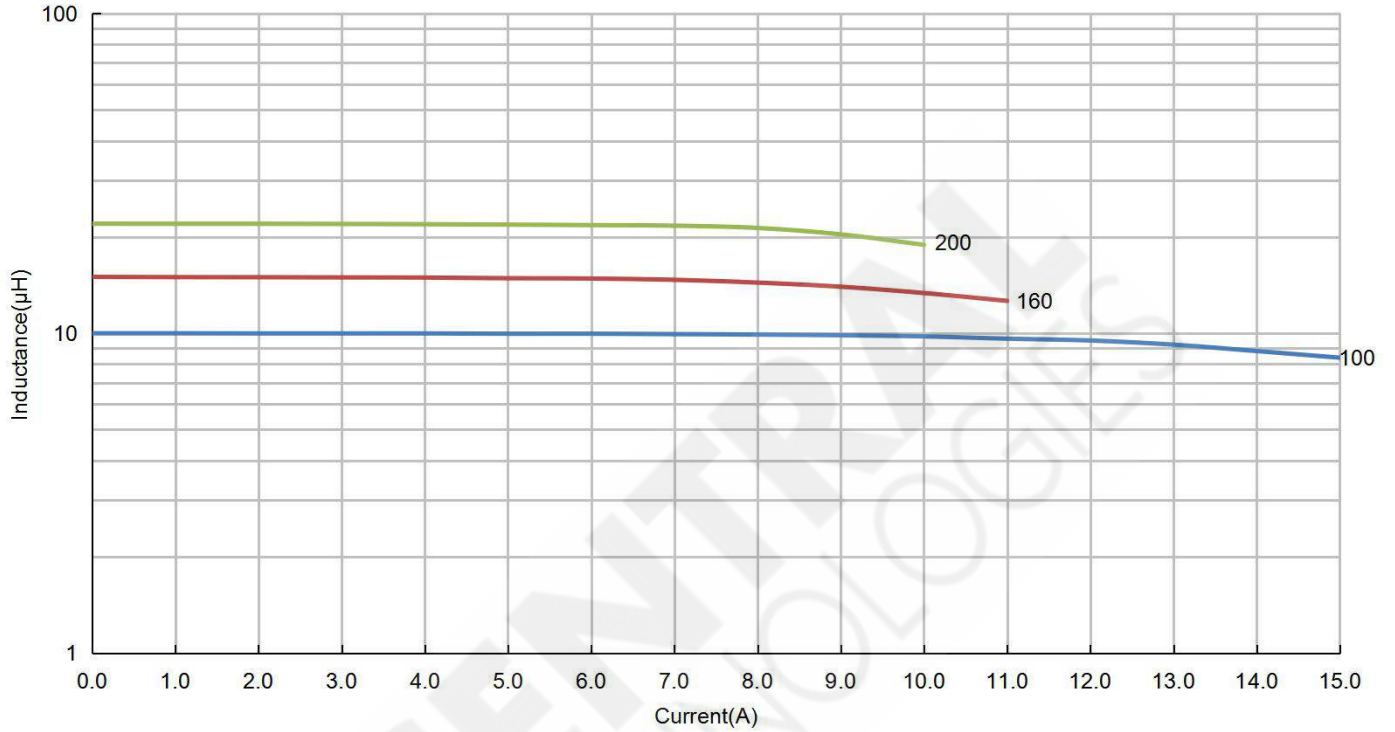
PHYSICAL DIMENSIONS

Unit: mm



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Typical Inductance vs Current Characteristics



Typical Temperature Rise vs Current Characteristics

